



MDARC #1 LARGE CLUB  
OF THE YEAR PACIFIC  
DIVISION ARRL 1982

# the CARRIER.....

Published Monthly by the Mount Diablo Amateur Radio Club

MDARC FIELD DAY CALL W6CX 2M REPEATER W6CX/R 220 REPEATER W6CX/R MEMORIAL CALL SIGN W6LGW  
Volume XXXI April 1983 Issue No. 4



## Meeting Notice

This month's meeting will be held at  
the Grace Presbyterian Church  
2100 Tice Valley Blvd.,  
Walnut Creek



TIME FOR OUR ANNUAL

## AUCTION

See inside for details.



Our Auctioneer is none other than  
PETER STRAUS, K06R

## CLUB CALENDAR

April 15 General Meeting AUCTION  
April 16 Sat - Mt. Diablo Trail Ride  
April 18 Board Meeting Change Address  
April 24 Sun - March of Dimes-A-Thon,DVC  
May 7 Sat - Race at Lafayette Reservoir  
May 8 Sun - Diablo Heritage Endurance  
Ride  
May 20 Club Meeting Speaker: John  
Meyer from Satellite Tracking  
Station, Camp Parks.  
May 22 Sun - Clayton Valley 10K Run  
for We Care Day Care Center  
June FIELD DAY IS COMING!!!!!!

## Nets

"Ya all check in now ya hear!"  
Tech Forum/Swap NET  
Thursdays 7:30 P.M. 147.66/06  
Emergency NET is 146.43 Simplex 7:P.M.  
then QSY to 7.735 after roll call Thurs.  
Parky NET  
Every Night 3895 +/- QRM 10 P.M.  
NTS/NCN 3630 KHZ 7 PM daily  
slow speed session 8:30 P.M..  
NCN/VHF 145.41 MHZ, WA6EUZ/R  
CCRA NET Mon. 7:35 P.M. 147.735

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Executive Asst: Florence Lortsher Printer: Doug Lortsher, W6KLM

PRESIDENT.....	KA6LSL	Bob Dahl	P.O. Box 868 Pleasanton, CA 94566	846-9458
VICE-PRESIDENT.....	KA6EBF	Joe Simpson	1465 Lawrence Rd.Danville	94526 837-9679
SECRETARY.....	KA6LSK	Carolyn Dahl	P.O. Box 868 Pleasanton,	94566 846-9458
TREASURER.....	W6CPO	Larry Kaye	764 Lisboa Ct.,Walnut Creek	94598 933-6357
EMERGENCY COORDINATOR..	KA6IVF	Jim House	1919 Ygnacio Valley Rd#49	WC94598 939-8965
BOARD MEMBER.....	KT6X	Dick Brown	4125 Sacramento St.,Concord	94521 676-9048
BOARD MEMBER.....	N6EEQ	Don Bertrand	3515 Honeysuckle Way, Con.	94518 685-3551

DEADLINE FOR THE NEXT ISSUE: Articles, Classified Ads, etc. by April 28, 1983

Next Board Meeting at: Thurman Casey Library 2661 Oak Grove Rd. W.C. April 18, 1983

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## MDARC Board Meeting

March 21, 1983/

QTH: Grace Presbyterian Church

BOARD MEMBERS PRESENT: KA6LSL, KA6LSK, KA6EBF, W6CPO, N6eeq, KT6X.

MEMBERS PRESENT: WA6DQN, K6IMV, W6ZHY KD6KV.

The meeting was called to order at 8:05 PM by President Bob Dahl KA6LSL.

MMSP to approve minutes as corrected. Add discussion on CCRC meeting which was tabled for further discussion to General meeting. Correct N6EEQ's name to Don.

VP: Speakers for May - John Meyer, from satellite Tracking Station at Camp Parks.  
June - Field Day Committee  
July - Bill Nations Owner of Pacific Marine Electronics, Inc.

August - Ken Keeler, N6RO

SECRETARY: Correspondence read

TREASURER: Proceeding according to budget  
MMSP to approve \$50 for fee for lot on Mt. Diablo for Field Day.

KT6X Gave update on search for list of Hams in the area. MMSP to buy geographical call group and have mailing of all hams in area. MMSP for mailing to include copy of CARRIER, Club information sheet and application blank at approximately \$100 expense. Dick will also write letter to FCC Commissioners and Secretary regarding Club's stand on "No Code". Rough Draft to be presented next meeting.

WA6DQN PUBLIC SERVICE EVENTS: April 24,  
April 24 - March of Dimes  
May 7 - Race at Lafayette Reservoir  
May 8 - Diablo Heritage Endurance Ride  
May 22 - Clayton Valley 10K run for  
We Care Day Care Center

W6ZHY - EC Report - "Telephone Tree" being put together for emergencies.

OLD BUSINESS: Donation to Church to be \$200.  
Next Board Meeting to be at the Thurman Casey Library on Ygnacio Valley Blvd. and Oak Grove. (2661 Oak Grove Road)

NEW BUSINESS: Thank you to Art Mayof VE2AQV, for donating Certificates for Instructors.

PICNIC: Date was discussed. Date to be set by next month.

UPCOMING EVENTS: Auction to be April.  
Doors to open at 6PM. Auction to start at 7PM. Auctioneer to be Peter K06R.  
April 9 - Trip to Wine country.  
Meeting adjourned at 9:50 PM.

Respectively submitted  
Carolyn Dahl KA6LSK  
Secretary

## The President's Corner....



As in all organizations much of the work is done by volunteers devoting much of their time. So it is with MDARC. We did not become NUMBER ONE Club by sitting back and doing nothing. At the meeting Friday night an appeal went out for volunteers and by the end of the evening 12 people had signed up to volunteer. I know that everyone has a job, family, and personal commitments but if every one would just volunteer for one event or occasion without being asked, it would make the work much easier. Joe Gregory, our Public Service Chairman has a need for many operating and public service events during April, May and June. Give him a call and volunteer. Guy Gustafson is looking for people to work with him on Field Day. Maybe you can't be there all weekend but call and volunteer for whatever time you can help.

Several people have expressed negative feelings and statements without solutions to problems. We don't need negativism. We need people to identify problems and come forth with solutions. We need the positive.

The only way any organization can maintain #1 status is to work hard. To work hard in a volunteer organization means to volunteer. To volunteer call the committee Chairperson for that committee or myself. Remember "Ask not what your club can do for you but ask what you can do for club."

73's

Bob KA6LSL

## Meeting

CHANGE

Change of QTH for April Board meeting

Thurman Casey Library  
2661 Oak Grove Rd. and Ygnacia Valley Rd.  
Walnut Creek



# WALNUT FESTIVAL

## A SPECIAL EVENT?

The third week of September we witness the annual Walnut Festival, in Walnut Creek.

10,000 people are expected to visit the festival and its fine booths. This year the MDARC has been offered a free booth at the festival partially due to the fine work our "public service" committee has been doing over the years as communicators for their marathon and parade.

This is the best opportunity we will have to meet the public and explain to them what amateur radio is and what it does. It will be a time to hand out notices of our novice class meeting, ARES and RACES activities, programs, Field Day activities, technical classes, etc. We can answer peoples questions demonstrate amateur radio to young and old, and provide a free message radiogram service from the fair to all. ATV, RTTY, ASCII, autopatch, SWling, codepractice oscillators, radiogram services, and towers have already been arranged. But we need your help to make this work. Without it we will have to withdraw from the Festival completely.

The Festival requires that we man/woman the booth for ten consecutive days. That's not a misprint, 10. The fair starts Friday night and ends on a Sunday 10 days later. We need hosts/hostesses, operators, set-up and take down people for all 10 days. We already have 10 volunteers but that is not enough to fill the slots. The following is the tentative schedule:

Weeknights 5 - 10

Weekends 8 - 12 midnight

Many slots must be filled if we are to go ahead with this project. It seems that we need 4 volunteers/weeknight and a minimum of 8/weekend. That gives us 52 slots. If you can help please call me before the next meeting so that determination can be made whether we can staff the project sufficiently or withdraw. Or please list your name, call, address, tel. no. days you would like to perform (host, operator, set-up, take-down, PR, etc), and equipment you may be able to provide and send to me so that I may get it before the next meeting.

Don Simon, NI6A 237-1381  
1750 Liberty St.  
El Cerrito, CA 94530

## Renewing

Renew or start your ARRL Membership through the Club. We earn \$2 for each and it costs you no more. Prompt mailing to ARRL.

Larry Kaye, W6CPO

# MDARC General Meeting

## GENERAL

March 18, 1983

Meeting was called to order by Bob Dahl KA6LSL, President, at 8PM.

Guests were recognized.

MMSP to approve minutes with correction to Devil Mtn. Awards to have a list of all Club hams and call signs.

Sec: Communications received were read.

TREASURER: Approximately \$2300 in checking account.

VP - Speaker for May is John Meyer, from satellite Tracking Station at Camp Parks.

EC - Encouraged everyone to check into net on Thursday at 7 pm.

PUBLIC SERVICES: Still needs signups for events.

FIELD DAY: Band Captains needed. Also need generators. Any volunteers call Guy N6DTU.

SOCIAL: Remember Caravan to Wine Country on April 9

CARRIER: Articles from members needed for CARRIER. Thanks to Art Mayof VE2AQV for the Crossword Puzzle. Keep them coming, Art.

RRRG: Meeting on May 24, Thursday at the church.

RED CROSS: Emergency Disaster Teams are being set up.

MEMBERSHIP: 210 members paid up.

AUCTION: to be in April

OLD BUSINESS: Directory is not ready yet.

Walnut Festival. NI6A Don Simon to coordinate. Booth has been arranged for by Joe KD6DY. To be held for 10 days in Sept. Volunteers are needed.

CCRC Meeting: May 26 at 9 am in Mt. View. Topic: "no Code License" MMSP to send Dick Brown KT6X to meeting as Club spokesman.

MMSP: to pay \$200 for Donation to the Church

After a short break we were again entertained by Gary Caldwell, WA6VEF, giving a slide presentation of his DX-pedition to Peru. Thank you Gary. Come back again.

Meeting was adjourned after Door Prizes were drawn.

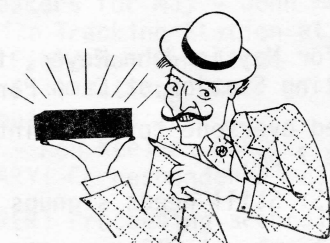
Respectively submitted  
Carolyn Dahl KA6LSK  
Secretary

# AUCTION

Doors to open at 6 pm. Bring your items to get them marked at that time.

Auction starts promptly at 7 pm. Auctioneer will be Peter K06R.

Short business meeting at 8 pm. Prime time starts following business meeting.



Peter - K06R

## RULES:

1. MDARC gets 10% of selling price, with a maximum of \$5.00. However, "buy backs" have a maximum fee of \$1.00 and the Club gets a straight 10% of a deceased persons equipment. If you want the Club to get a full 100%, say so on the tag on the item.
2. Everyone whether a buyer or seller, gets a number on a card. Hold up your numbered card when you bid.
3. All sellers are entitled to have three items sold during "Prime Time" (example if your number is 34, number your "Prime Time" items 34A, 34B, 34C)
4. Sellers' tags (attached to each item) will have spaces for silent bids prior to the time the item is auctioned. A "minimum bid" written on the item's tag by the seller will be regarded as an open bid and subject to "Buy Back" rules.
5. Bids should not be less than 50¢ increments.
6. Pay the Club" don't pay the seller. He gets his money later - minus the Club's commission.
7. All sold and unsold items must be removed at the end of the auction.

# Short Currents

C. W. MORSE

VE2AQV now specializes in Crossword puzzles. If you liked the puzzle at the end of this CARRIER think about some Amateur Radio related topics and let Art know. Thanks Art...Dwayne Eskridge, W6LKE was named Assistant Director, ARRL Pacific Division, for the Stake RACES plan..... Dave Tyler, N6DRT is looking for a West County EC replacement. Dave accepted office as Asst. SEC for RACES/ARES coordination... Hank, W6ZHY may visit West Germany this year. He hopes to see members of our sister club C-26 near Munich....Emergency operator's manuals are near completion. AEC's and team leaders have priority as the first ones come out.....The new rage on the Parky NET - crossword puzzles. N6EEQ and K6IMV lead the pack in their ability to decipher the daily puzzle in the Contra Costa Times....Dr. Don, F.D., W6EEN is planning a marathime field day exercise of his own this year. Word has it his tower is going marine mobile. This I gotta see....Alex, KR6G and his family are doing well at their new QTH....More and more members have computers now, KLM, 6X, UGS, UMT TEE, and others. The popular one appears to be the ATARI 800. GON says CARRIER space is available to the computer users....BCNU C.W.

MDARC EXTENDS ITS  
SYMPATHY TO CARL COOK,  
AI6V FOR THE LOSS OF  
HIS MOTHER, BERTHA.



## Emergency

It's not too early to begin thinking about and planning for the upcoming Fire Season. One phase of our Public Service/Emergency Communications is our participation in the California Department of Forestry's Volunteer - in - Prevention program. Through this program, the Amateur community assists CDF during periods of high fire danger by operating high visibility patrols. We are especially qualified for this activity due to our ability to instantly communicate our observations.

The Patrol Program (most often used on the July 4th Holiday period) has been a major contributor in reducing the number of fireworks caused fires or at least reporting them. The presence of the clearly marked patrol units is a considerable deterrent to illegal use of fireworks. For the past two years we have provided patrols in areas recommended by local ranger units.

Enrolled volunteers are covered by workman's compensation and are reimbursed for mileage.

In the event of a major fire, such as the one on Mt. Diablo two years ago, we also aid CDF with supplemental communications. With the heavy rain this year, grass and shrub growth will large and the fire danger will be high.

Please contact me if you would like more information on this program, or application forms. A meeting will be scheduled in May for new volunteers.

Larry Kaye W6CP0

## Deadline Announcement

### DEADLINES

For your convenience, CARRIER article deadlines through Dec. 1983 are the following: (flexible)

April 28	August 27
May 28	September 28
June 25	October 28
July 29	November 25
	December 28

When something goes wrong, it's better to ask, "Who's going to fix it?" than "Who's to blame?"

## Ham Radio Outlet

2811 Telegraph Ave.  
Oakland, CA 94609

(415) 451-5757

999 Howard Ave.  
Burlingame, CA 94010

(415) 342-5757

Hours: 10 AM to 5:30 PM Monday-Saturday

### IN STOCK

KENWOOD TS-830S  
KENWOOD TS-130SE  
KENWOOD TS-530S  
KENWOOD TS-430S  
KENWOOD TS-930S

ARC DEVIATION METER  
ON SALE \$49.95

TR-2500...\$299.95  
TR-3500...\$299.95  
TR-9130...\$474.95  
TR-7950...\$359.95  
TR-8400...\$439.95

ICOM 740  
IC-R70

IN STOCK  
CALL FOR PRICING

VOCOM 5/8 2Mtr Mini-Duckie  
In Stock

**OUR ONLY BUSINESS IS HAM RADIO!**

HAM RADIO OUTLET STORES  
HAVE THE LARGEST  
AMATEUR RADIO INVENTORY  
IN NORTHERN CALIFORNIA

## RACES/ARES

### MDARC EMERGENCY SERVICES

"What has the Club's Emergency Group been up to the past month? Well.....for one thing, we have a 2 meter Antenna installed on Mt. Diablo Hospital...at last. Those FIELD MANUALS mentioned last month are now known as ECOM Emergency Communication Operations Manuals and they are ready for distribution according to Jim House, KA6IVF, our Club Co-ordinator,"

The Contra Costa Sheriff's Office wants to form a closer alliance with the "HAM Community"- Anyone interested in receiving training to become specially qualified to work with the Sheriff's Office as Amateur Radio Communicators please contact KA6BSN, John, the co-ordinator for the group. Also the Contra Costa County Emergency Services is interested in training lincensed operators to act as damage assessment crews during emergencies. On site evaluation of damaged or endangered dwellings and business locations is a much needed supplemental emergency service in times of local disaster. Anyone interested?

We are also looking for members to serve as "RACES REGIONAL RESPONSE TEAMS". State OES has proposed that we form three man (person) proto-type teams to provide mobile communications on a self-sufficient basis for 72 hours. Such teams to be available for dispatch to N. California areas needing such service. Each team to be supported by back-up teams. Contact KA6IVF, Jim for details.

Flying Amateur Television for Emergencies. We are working on it. A "dry-run" is scheduled for April 16, Saturday with a "live" demonstration to follow in mid-May.

Our next SET has been scheduled for Tuesday, April 19 at the Walnut Creek Kaiser Hospital (others could be involved) and assignees to the hospital net should check in even if their hospital is not involved: preferably, from the assigned station using the outside antenna, if installed. It is expected that County OES will be manned and co-ordinating control.

Our Alert Notification needs your attention. If you have any thoughts on the best ways to notify operators of need in time of emergency, we want to hear from you...

The preceding is but a brief mention of the many and varied activities of the MDARC Emergency Services Group. If you would like more details just check-in with us on our Thursday evening NET and feel free to ask. We want to hear from you!

W6ZHY Hank

## THE BASE STATION

YOUR CONTRA COSTA HAM HEADQUARTERS

CARRYING

TUNERS, KEYERS, BOOKS

TRANCEIVERS ANTENNAS

TRANSMITTERS RECEIVERS

AND ALL SORTS OF ACCESSORIES

### The Base Station

2101 Pacheco St. Concord, CA 94520

(415) 685-7388

### SWAP MEET

North Hills Amateur Radio Club announces the 10th annual Sacramento Valley Amateur Radio Ham Swap, Sunday May 2nd, 1982, 9:00 AM to 3:00 PM, at Placer County Fairgrounds off Highway 65, North of Roseville. Talk in frequencies are via K6IS/RPT 144.59/145.19 and 223.18/224.78.

AUCTION, FOOD AND REFRESHMENT,  
and RAFFLES.

Do you have a special interest within Amateur Radio you would like to share with readers of the CARRIER? Computers, SSTV, NETS, RTTY, Antennas, Satellites, etc. Put your interest on paper and share it with us! Members make the CARRIER!

LET'S HEAR FROM YOU!

Ed

The ideal committee consists of six people who don't have the time, and one person who likes to run things his way.



# HAM CROSSWORD

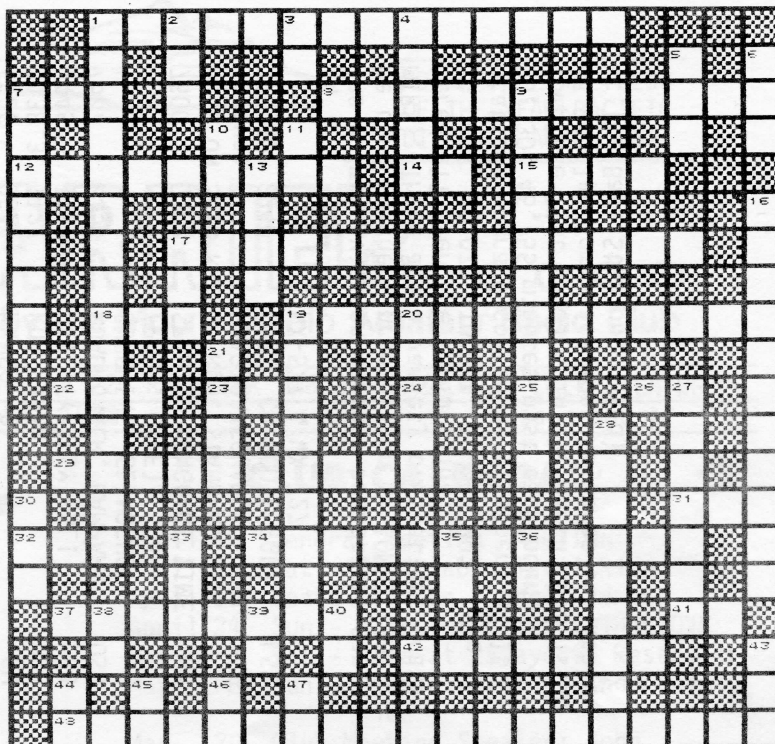
By ART  
VE2AQV



(last months answer)

## DOWN CLUES

1. WHIP ANTENNAS WHICH COME TO A SHARP POINT WILL SOMETIMES EXHIBIT THIS REACTION (DOUBLE WORD)
2. A CASE OF THE INDIANS
3. FROM
4. COMPUTER CODES
5. VOICE ACTIVATED TRANSMITTER
6. TO OBTAIN THIS, MULTIPLY PEAK VOLTAGE BY .707, SQ. THE RESULT & DIVIDE BY LOAD RESISTANCE (ACRONYM)
7. A TOUCHTONE PAD
9. AN ANTENNA WHICH EXHIBITS GREAT GAIN ACROSS A WIDE RANGE OF FREQUENCIES (DOUBLE WORD)
10. WASHINGTON...NOT TO BE CONFUSED WITH THE ELECTRICAL TERM
11. VOLUNTEER POLICEMAN OF HAM RADIO (ACRONYM)
13. TUNED CIRCUIT CONSISTING OF A COIL AND CAPACITOR
16. TWO COILS HAVING MUTUAL INDUCTANCE
17. WHAT IT IS WHEN THE XYL BRINGS HOME A NEW FUR COAT FOR HER AND A PL259 FOR YOU.
19. THE STACKING OF HALF WAVE ANTENNAS IN PHASE
20. SAMUEL F.B.
21. NEGATIVE VOLTAGE APPLIED TO THE GRID OF A VACUUM TUBE
27. THE FLOW OF ELECTRONS
28. ELECTRICAL RADIATION AT EXTREMELY HIGH FREQUENCIES
30. A TYPE OF TRANSISTOR WITH A HIGH INPUT IMPEDANCE
33. ABBREVIATION FOR A3J
35. DECODING DEVICE USED BETWEEN THE RECEIVER AND A TELETYPE MACHINE
36. TRANSMITTER (ABBREVIATION)
38. PERSON IN CHARGE OF COMMUNICATION DURING A DISASTER (ACRONYM)
39. ALTERNATING CURRENT (ACRONYM)
40. DISTANT STATIONS
43. RATIO OF FORWARD POWER AND REFLECTED POWER (ACRONYM)
44. ABBREVIATION FOR PERSON AT THE KEY
45. END OF TRANSMISSION
46. AND
47. OLD TIMER



## ACROSS CLUES

1. DEVICE THAT DISPLAYS IMAGES ON AN OSCILLOSCOPE
7. LOCATION ON WHICH YOU PUT YOUR CANS
8. TEST INSTRUMENT USED FOR CHECKING WAVEFORMS
12. A DEVICE THAT HAS FREE FLOWING ELECTRONS
14. MID-STAGE CIRCUIT IN A RADIO RECEIVER
15. RATIO OF THE VARIATION OF OUTPUT LEVEL TO INPUT LEVEL
17. THE SCIENTIFIC DESIGNATION FOR THIS MODE IS A3J
18. --- SPOTS
19. THE ACT OF TRANSMITTING OR EXCHANGING INFORMATION
22. CALLSIGN OF THE CANADIAN TIME SIGNAL
23. WHAT YOU BECOME WHEN YOUR WIFE CALLS YOU AT WORK AND SAYS YOUR TOWER IS IN THE NEIGHBOR'S YARD
24. ABBREVIATION FOR TRANSMITTED ENERGY
25. A RELATIVE POWER UNIT (ABBREV)
26. AN ELECTRONIC DEVICE THAT CONTAINS MANY COMPONENTS IN A MINATURE PACKAGE (ABBREV)
29. A DEVICE USED FOR SENDING SIGNALS
31. NON-PROGRAMMABLE MEMORY (ACRONYM)
32. MOONBOUNCE (ACRONYM)
34. BEST REGARDS
37. CONTROLLING DEVICE USED TO INPUT DATA
41. DECODING DEVICE USED BETWEEN THE RIG AND A RTTY MACHINE
42. QUARTZ DEVICE USED TO MAINTAIN EXTREME FREQUENCY ACCURACY
48. RF CHOKE USED IN THE PLATE CIRCUIT OF A FINAL AMPLIFIER... (DOUBLE WORD)

BAND EDGE LISTENING			
KHZ	ZULU	SVC/NOTES	MODE
3808	1145	NU38 de OVAX	CW
3995	1135	JGBD	CW
		V de JGBD JGBD	ar
10119	1200	CEH4A	CW
		QRADELCO STGO AR	
10102	eves	LOG 2, 9, 8?	
10000	eves	JJY JAPAN'S TIME	AM
		& FREQ. STD. STN.	
10004	0925	RID SOVIET TIME STD	CW
10051	1035	GANDER RADIO	USB
		NEW YORK RADIO	
		VOLMET WX	
9996	0919	MMD de GOJ ?	CW
6926	0544	KKNSO ?	CW
7438.3	1127	KDD JAPAN	USB
7445	1127	UTILITY/THEY QSL!	USB
7527	2354	ROADRUNNER, RAMPART	USB
		SUNSHINE, SLINGSHOT	
		(POSS. USAF)	
7600	0102	SPANISH LANGUAGE TIME	AM
ALSO ON 3810 KHZ		& FREQ. STANDARD STN.	
in eves		HDA210A/ECUADOR	
27.960	2240	LOCAL CB BOOTLEGGER	LSB
		WX-577 & WX-727	

The volmet Aviation weather broadcasts can be used to check propagation on 10MHz (30 MTRS). There are a variety of stations scattered all over the world using:  
 10.017, 10.073, 10.051, 10.057 MHz. Some stations operate continuously, others at 15, 20, 30, 45, 55 minutes past each hour. A complete list appears in the March 1983 issue of Popular Communications Magazine available at The Base Station. (Ed)

## miscellaneous

From:  
**Mt. Diablo Amateur Radio Club, Inc.**  
**P.O. Box 23222**  
**Pleasant Hill, Calif. 94523**

Affiliated with the ARRL  
 Affiliated with the American Red Cross



**FIRST CLASS MAIL**

# CQ C-26!

A schedule has been set up by WA6GON and DJØQN for contacts with our sister Club in Lohoff, Germany. Listen for WA6GON calling CQ C-26 on SATURDAY and SUNDAY at 1500 UTC (7AM PST) on 21.375 + QRM. Its 5 PM German Daylight Savings Time. BIG GUNS and LITTLE GUNS check in! CQ C-26!

